



# the CARRIER.....

Published Monthly by the Mount Diablo Amateur Radio Club

MDARC FIELD DAY CALL W6CX; 2M REPEATER W6CX/R 220 REPEATER W6CX/R MEMORIAL CALL SIGN W6LGW

Volume XXX

February 1982

No. 2

"ALL THE NEWS THAT FIT"

## Meeting Notice

This month's meeting will be held at our regular meeting place, Grace Presbyterian Church, 2100 Tice Valley Blvd., Walnut Creek, Friday Feb.19, 8 PM

"Doc" Gmelin, W6ZRJ, and Al Gaetano, W6VZT, will be our speakers for the Feb. meeting.

They will speak on all the technical aspects of how to select a "good modern receiver."

"Doc" and Al are very informative and witty speakers as we all know from their previous visits with us.

They can answer any questions for the newest Novice to the oldest Extra on Receivers to make it understandable and interesting.

If you would like to meet "Doc" and Al, we will be having dinner at Pipers Restaurant, (near the Church) that evening at 6:30 P.M.

Everyone is welcome to join us.

Come and have a good time

## ACTIVITIES

Feb. 19: General Meeting 8:00 P.M.

Feb. 22: Board Meeting 8:00 P.M.  
County OES Bldg., 50 Glacier Dr. Martinez. Everyone Welcome!

Mar. 3: ECs meeting ARES/RACES,  
County OES Bldg. 8:00 P.M.

Ham Classes: Every Tuesday 7:00 P.M.  
College Park High School.

## Nets

"Ya all check in now ya Hear!"

Tech Forum/Swap NET  
Thursdays 7:30 P.M. 147.66/06

Contra Costa Emergency NET  
Thursdays 8:30 P.M., 146.43 MHz simp.

Parky NET  
Every Night 3895 +/- QRM 10 P.M.

## Silent Key

KEN DURKEE, K6OE

EDITOR: Doug Smith, WA6GON P.O. Box 23222, Pleasant Hill, Calif. 94523 0222 Phone:

PRESIDENT.....	KT6X	Dick Brown	4125 Sacramento St., Concord CA	94521 687-9048
VICE-PRESIDENT.....	WB6TEE	Don Peattie	2417 Lomond Ln. Walnut Creek CA	94598 935-2636
SECRETARY.....	N6EJU	Dee Koester	438 Diablo Court, Martinez, CA	94553 228-8727
TREASURER.....	KA6IZI	Nancy Hodgson	120 Summit Road Walnut Creek, CA	94598 933-8716
EMERGENCY COORDINATOR..	WA6OFI	Dave Greenhill	188 Brown Drive Pacheco, CA	94553 686-6657
BOARD MEMBER.....	K6XC	Ron Luttringer	440 Diablo Court, Martinez, CA	94553 229-3987
BOARD MEMBER.....	N6EEW	Don Bertrand	1981 Willow Pass, Concord, CA	94520

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Next Board Meeting at: C.C. County O.E.S. Building, 50 Glacier Dr., Martinez, Feb.22, 8 P.M.

DEADLINE FOR THE NEXT ISSUE: Articles, Classified Ads, etc. by February 28, 1982

## MDARC Board Meeting

Jan. 18, 1982

QTH - O.E.S. 50 Glacier Dr., Martinez

The meeting was called to order at 8:01 by our President Dick Brown, KT6X.

Board members present were: Don, WB6TEE, Dave, WA6OFI, Dee, N6EJU, Don, N6EEQ, Ron, K6XC, Nancy, KA6IZI,

Members present: Dick, KA6JGP, Rick, NA6Q, Jim, KA6PKA, Val, KD6KV, Chuck, KB6UY, George, WA6OFH, Parky, K6IMV, Joe, WA6DQN.

Correction and Additions to minutes as follows: Spelling correction should read "word plaque". The minutes should read that Don WB6TEE, disagreed with the motion to request only a letter of apology from Smorga Bob. \$15.00 for flowers for Dick KT6X's, Secretary for typing she did for MDARC.

M.M.S.P. minutes to stand as corrected. Club History still to be typed, reviewed and orders taken.

Christmas Party 1981 much discussion took place.

M.M.S.P. that a strong letter expressing our displeasure, with copies to be sent to the Chamber of Commerce and other SMORGA participants. Letter to be written by Dick KT6X.

Silent Key Ken Durkee K6OE to have name plate, on Silent Key Plaque and a donation to Cancer Fund from MDARC in his memory to be sent.

M.M.S.P. To inform Don Doughty, W6EEN, that all his suggestions were excepted and we would like to press ahead with them.

Bulk Mail still being checked into by Don, W6EEN, ARRL Pacific Division Directorate meetin will be attended by Dick, KT6X and Ron K6XC.

M.M.S.P. that the club pay for the lunches for above meeting.

Joe, KD6DY to be contacted by Dee N6EJU, about Club locker.

Vice-President Don W6TEE, reports that our April or May Meeting may possibly have Russ KA6BPN. Discussion and suggestions for future speakers.

Secretary Sympathy card sent to Helen Durkee and family from MDARC. Financial report from Xmas party given to Treasurer.

Treasurer Nancy, KA6IZI, reports we now have \$1,209.81 in savings and \$1,169.64 in checking. Check for \$50.00 returned by Norma, N6EJZ, from coffee fund.

Social Chairman: Rick, NA6Q, gave a report on progress being made for picnic and Christmas party "82". Several possible locations discussed for both.

M.M.S.P. that \$50.00 be authorized to NA6Q for deposit of location.

Emergency Coordinator: Dave, WA6OFI, reports "All quiet at the moment." General RACES meeting will be held at the Contra Costa Water District, Board room February 21 at 2 P.M.

Awards Chairman: Dick KA6JGP reports that progress is being made.

Directory Chairman: Al, W6TWK, not present but discussion took place about 1982 Directory.

Door Prize Chairman: Val, KD6KV, reports that he had \$77.93, and took in \$98.00 for a total \$106.03

Education Chairman: Chuck, KB6UY, classes starting for Novice, General and Advanced, if there is enough interest in the latter.

Public. Service Chairman: Joe, WA6DQN, Notice and Calendar in this issue.

Announcement by Dick KT6Y, that Cecil N6EBQ, wishes to express his thanks for award he received and he wants to make it clear that there were others involved.

Red Cross Liaison: Don, N6EEQ reports that nothing much happening at present time.

Jackets orders being taken by Dick KA6JGP. M.M.S.P. that meeting be adjourned at 10:59

Respectfully Submitted  
Dee, N6EJU  
Secretary

## Letters to the Editor

I wish to thank MDARC, it's Officers and Committees for the beautiful Award given me. I must give credit to all of those, too numerous to list for fear of overlooking some, who untiringly gave of their time and resources to help make this last year a successful one. Especially the Past Officers, and Steering Committee who provided the much needed information and assistance to help make it possible. No matter how small of a part some played or how large others played, it proved one thing-that being, if we set aside our personal differences and pull together to one goal, we will succeed. You all did that and success was our reward.

I too feel as you do-I'm not in this for what glory or honor I can reach, but for what is good for the fraternity. That we may serve our fellow citizens better with those talents we've been blessed with.

May this last year be just the beginning for us - with many many years to follow, working together. It is with great delight and pleasure I accept the Award on behalf of those I've spoke of.

Thanks, Cecil Heden N6EBQ



## *The President's Corner....*

One of the measures of success of an organization is its longevity. For those of you that are not charter members of MDARC, you should know that we are celebrating our "35th. Anniversary" this year. It was on January 2, 1949 that our first meeting was held at the home of Bud Stedinger W6CX. Three of the charter members are still active in the Club; Jim Allen, W6HSY; Chuck Patterson, K6RK and John Hopkins.

I hope that those of you that witnessed the happenings of our Club during the last 3.5 decades, and its service to our community and amateur radio, can favorably compare what we are doing today with those early years. You certainly can be proud of the organization you helped develop that continues to provide so much service to our community and amateur radio today, as well as the personal satisfaction we derive. By the way, if you sometimes feel that you aren't getting what you want out of the Club, I have a cure. Get involved with one of the activities. Look over the committees and activities listed in last month's CARRIER and contact the Chairman of the one that interests you. If that doesn't sound good, see me for some ideas. The rule in the military about not volunteering for anything does not apply in Amateur Radio or MDARC.

My thanks go out to those of you that passed on your thoughts to the Board regarding the Christmas Party caterer. Elsewhere in this issue is a reprint of the letter that the Board asked to be written to our infamous restaurant. I hope we can now put our energies back into our 1982 activities. There are a number of Club business activities that must be handled each month - witness the last three hour Board Meeting. The Board, as has been true in past years, will avoid, as much as possible, transacting that business at the monthly General Meetings. We think those few hours should be reserved for a good program directed to the members and their guests. It should be time for entertainment, learning and promotion of amateur radio. However, this should not preclude you from participating in these tasks. See you at the Board Meeting.

Dick KT6X

The Semi-annual Auction will be held on the March meeting date at 7 O'clock sharp

Details and auction rules to be printed in the March CARRIER. Start saving your money and equipment!

## **MDARC General Meeting**

Jan. 15, 1982

The meeting was called to order at 8:02 and was very well handled by our new President Dick Brown KT6X.

Visitors introduced were KA6LSL Bob, KA6LSK, Carolyn and KD6BA, Ted.

Upgrades KA6EBF to General, KA6IH, General, KA6NAY, extra and KA6PKA to Advanced. CONGRATULATIONS

Minutes for November approved as printed in the CARRIER.

Announcement was made by Dick of the passing of Ken Durkee, K6OE.

By-Law Revision discussed and a M.M.S.P. for By-Law change as printed in January CARRIER.

Roster for 1981 was available at meeting and new 1982 roster with pictures will be out as soon as possible.

Vice-President Don, WB6TEE announced that a calendar of events for the year was being prepared.

Treasurer Nancy KA6IZI, reports that we have \$1,187.83 in savings and \$829.64 in checking.

Emergency Coordinator Dave WA6OFI, introduced Ron Miller WB6JGV who gave an excellent report on Region 2 and thanked all those who helped in the Santa Cruz and Marin crisis.

Door Prize Chairman Val, KD6KV said there are plenty of tickets available.

Operating Events Field Day "82", Devil Mountain award, Cal. QSO party and Promotional event were briefly discussed by Don Doughty, W6EEN and request for feedback from members was made.

Membership Chairman Frank N6GQ, announced that we have 167 members so far this year.

Public Service Chairman Joe, WA6DQN, reported calendar of events listed elsewhere in the CARRIER.

TVI Chairman Phil WA6SEU had no problems to report.

Club Jackets Dick Squires KA6JGP will be taking orders.

Dick ordered, we break for coffee at 8:42. The meeting resumed with the introduction of Ken Keeler, N6RO, by Don W6EEN who in turn introduced our speaker of the evening, Gary Caldwell WA6VEF. Gary's talk was most informative along with slides of famous contest stations. Thank you Gary! Meeting was adjourned at 10:41.

Respectfully Submitted

Dee, N6EJU Secretary

## TECHNICAL CORNER

Jim Lisson WA2CEP

### THE PROCESS OF ELECTROCUTION

Electrical shock is an experience most of us will long remember. The current may have been strong enough to cause a muscular spasm, and your arm seemed to jerk away all by itself. However, even a minor electrical shock means danger. The factors which caused it need only be varied slightly to cause a serious injury. Even if you have never received an electrical shock it is important to know the effect it has on the body, and how to avoid it. The current levels I will mention are only approximate and will vary some from person to person.

It is generally agreed that an electrical current of less than 5 MA is not harmful to the body. When the current level reaches 5 to 25 MA it is likely to cause injury by involuntary reaction. This current level causes a violent muscular spasm to occur in the affected muscles. This could cause you to be thrown away from the power source with enough force to cause injury as you strike another object. If your hand is in the circuit the muscular spasm may be such that you will grasp the conducting object so firmly that you can't let go. This is called a freezing current since the victim seems to be frozen in position as the current level increases due to your firmly grasping the current source.

As the current level increases into the 25 to 100 MA range you will experience painful shock and severe muscle spasms. This may result in breathing difficulty or even cessation of breathing. In this current range, blisters will form on the skin and as they rupture the moisture will improve the electrical contact and the current level will go up still more.

When the current level goes into the 100 to 200 MA range it affects the normal electrical impulses in the body. This can cause VENTRICULAR FIBRILLATION.

Unless first aid is begun IMMEDIATELY  
- YOU ARE DEAD!-

At current levels in excess of 200 MA your flesh will start to burn. If the current path is through the head or trunk death is rather certain because of damage to vital parts of the body. If the current path is limited to an arm or leg you may survive. However, the burning can lead to acute infections. Amputation may be the only medical recourse.

As you can see everything depends upon the current level. The higher the voltage the faster the sequence will progress, but lower voltages kill also. You will stay away from the 3KV in your K W rig but if your spouse or kids (or you) "get burned" it may be from 120 VAC from one of the "broken" lamp or damaged electric appliance, (electric mixer, two wire cord, kitchen sink).

Very low voltages can burn also, but not in the same way. I once witnessed a co-worker get his screwdriver across two bus-bars in a computer at work. The power supply for this circuit was regulated 4 VDC, with a current capability of some 200 AMPS. He received some rather nasty burns as the screwdriver blade melted and dripped down on his hand and arm.

There are numerous articles in the Ham Publications on Electrical Safety, read them and take heed. There are some that will say that all this is not such a big deal. Like they told us in the Navy electronics schools, "There are a lot of men out there that are more than willing to console your young wife - after you are DEAD". As for the XYL's, you know that women at work, or down the block, that has her eye on your OM...

## RACES/ARES

A Note to all Hams who participated in the "Storm of 82" relief and assistance effort. There are too many of you to thank individually even if I knew who all of you were. Irma Bombeck says it quite well:

Volunteers are like yachts. No matter where they are, they arouse your curiosity. Who are they? Where do they come from? Why are they here? They could stay moored where it's safe, and still justify their being; but they choose to cut through the rough water, ride out storms and take chances. They have style. They have fierce independence. If you have to ask how much they cost, you can't afford them. Volunteers and yachts have a lot in common these days. They are both a part of an era that is disappearing from the American scene. They are both a luxury in a world that has become very practical. Day by day the number of volunteers decreases in this country. More and more of them equate their worth in terms of dollars and cents. They are the only human beings on the face of this earth who reflect this nation's compassion, unselfish caring, patience, and just plain loving one another.

Thanks again

Ron Miller WB6JGV



## WHY DON'T RADIOS SMELL ANYMORE?

R.F. McKay, N8ADA  
via Cheesebits

Oddly enough my first recollection of radio was not the magic sounds that came from the giant horn of that early Atwater-Kent, but the pungent odor that filled the living room when it arrived.

The various bakelites, varnishes, and other insulation combined to give off a distinctive aroma that fast became a part of the American home.

Somehow, Amos and Andy, Fibber McGee and Molly, Jack Benny and others were instinctively identified with the aroma we all got to know as "radio". Those of us who discovered "short waves" also identified the odor with exotic places around the world, strange music and unfamiliar languages. You didn't have to be told when you entered a store that sold radios your nose told you! Radio Rows (Hudson & Cortland Streets in New York and Madison St. in Chicago) were literally "heaven" for radio buffs. The aromas from these stores could be detected a considerable distance away. Ham shacks were the same. The attics, basements or back bedrooms that housed these wonderful black boxes all gave off that distinctive smell that was just like a Pied Piper to many of us. There wasn't a perfume on the counter of any department store that had the mystique or attraction for most of us that the bakelite aroma had.

Well, over the years we have had a whole series of marvelous improvements. Technology has really expanded. However, while the gains have been impressive, we have had some losses. Have you ever stuck your nose in one of the new rigs? Well, they work just fine, but can't somebody invent a little vial of radio smell that we can uncork and place in these sterile gadgets so that once again radios will smell like radios should.

Thanks to Rags Review

## More from the Old Timer

Did you know that the oldest amateur radio band and the lowest amateur radio frequency allocation is coming back into style again?

During WWII when hams were off the air, a radio navigation system called LORAN-A was installed in the U.S., taking up most of our 160 meter band "temporarily."

Well, the "temporary arrangement" is almost over as of June 10, 1981. Shucks,

it was only 40 years!! Effective that date, we were granted full frequency and power privileges in the 1800-1900 KHz segment, and restrictions were eased in the 1900-~~2000~~ KHz segment. We can use A1 and A3 modes at present. The band is open to all General, Advanced and Extra Class licensees.

The ARRL has proposed the following band plan for 160 m. (voluntary compliance requested):

1800-1825	KHz	CW only
1825-1830	KHz	DX window (no North American transmission)
1830-1850	KHz	Cw & A-3 mixed
1850-1855	KHz	DX window (no North American transmission)
1855-2000	KHz	Phone only

See January QST pp. 51-53 for more details.

If you have never tried 160 m., you really should. It is truly fun. Some of the highest quality AM dual sideband signals I have ever heard were on 160 m. broadcast station quality! At night, long range DX is quite possible.

All you antenna designers out there will have a ball with 160 m. arrays, Verticals, Beverages, Zepplins, long wires (and I mean long), loops, and assorted trapped wires, are all suitable.

TRY IT----YOU'LL LIKE IT!

See you on the low end of the lowest ham band!

73 SK de TOT: Rags Review

## McKinley's Hams Trying to Contact World Teen-Agers:

by Katashi Nose from Honolulu  
Star Bulletin 12/25/81

McKinley High School Amateur Radio station KH6NF is trying to make contacts with teen-agers and young adults around the world. This Honolulu high school is the oldest public high school in Hawaii and will be 116 years old this school year.

The station has been in operation since 1966, but this year it is making a special effort to contact other club stations and younger members of the Amateur Radio society.

The hours of operation are from 1730Z to 1815Z; 0045Z to 0130Z Monday through Friday, 2000Z to 2130Z Monday, Wednesday and Friday. At present it operates on 10 meters, 28.520 MHz plus or minus QRM. If 10 meters closes up, it will operate 21.420 MHz.

The station has the Collins S line and 30L1 amplifier with a three element TH6DXX antenna. Instructor/adviser at McKinley is Emil Bruner, KH6HHM

Submitted by: Leon, W6QFA  
Danville, CA

## Public Service

Operating activities in support of various outdoor athletic events such as foot and bike races tend to concentrate on weekends of the late spring and early fall. The last half of April, first week-end of June, and late September bring the most requests for amateur radio support, so check the Club calendar and sign up for these events if you are able to help.

The Health Fair (April 17 through 25) will compete for operators with the Mount Diablo Trail Ride on the 17th and with the three "March of Dimes" walks on April 25.

The Diablo Power Squadron would like us to provide a fixed station at Sun Valley Mall in Pleasant Hill on June 5-6-7 as part of their Safe Boating Week show. This will involve antenna installation in advance and continuous manning of the station during open hours. Someone familiar with boating and the role of radio in boating activities and safety is needed.

Sign-up sheets for various events will be held at Club meetings the month previous to the activity. Joe Gregory - WA6DQN

MOUNT DIABLO AMATEUR RADIO CLUB  
Public Service Calendar - 1982

- April 4 Run For Daylight (American Cancer Soc.) Alamo
- Early April? Dublin footrace
- April 17 Mount Diablo Trail Ride
- April 17-25 Health Fair (4 or 5 Co.Co.sites)
- April 25 March of Dimes, "Walk America" Concord, Pinole, Antioch.
- May 2 Devil Mountain Run - Danville
- May 8 Human Race (Volunteers Bureau of Co. Co. Co) Concord & W. Co. events.
- May 8 American Cancer Soc. Bike-A-Thon Walnut Creek
- Early May Cherry City Cyclists Jubilee (Bike Ride, Alameda & Co.Co. Co.)
- June 5 Ride for Research(Junior Horsemen) Danville
- June 5-6-7 National Safe Boating Week Sun Valley Mall (fixed station)
- September 19 Walnut Festival (footrace 8:00 am, parade noon) Walnut Cr.
- ?Late Sep. Amer. Cancer Soc. Bike-Skate-Walk-A-Thon Concord
- Oct. March of Dimes Bike-A-Thon
- Oct. "Battle of the Bands" Concord Band Review, Concord
- Fall Am. Heart Ass. Run for Fun,Concord?
- Fall Valley Spokesman Touring Club Bike Races (Livermore area)
- Nov. 25(?) Bart to Bart run, Concord-Pleasant Hill(Rotary Club)
- Nov. Berkeley Hills Bike Ride
- Late Nov. Berkeley - Oakland Hills 50 Km race

## Ham Radio Outlet

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NEW! YAESU  
FT-208R H.T. UHF  
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## Club Jackets

Since the subject of Club jackets was brought up at the last meeting a surprising amount of interest has shown up by the members.

Your Chairman of the Jacket Committee (of one) has the following report to make as to costs, styles and explanations to offer:

As most of us know these are windbreaker type, poly material, in yellow, with name and call on the front and a large patch depicting an outline of our pet Mountain and name of our Club on the back.

They come in standard single ply called the "APOLLO" and the regular warm up-2 ply with better seams called the "BEAR" and they come in the big leager flannel lined model that we choose to call the "CHAMP."

The below prices include your name on the jacket only, Calls and patches are extra.

"APOLLO" JACKET	\$13.50
"BEAR" JACKET	16.50
"CHAMP" JACKET	20.00
XX LARGE IN ANY MODEL ADD	1.50
CALL NUMBERS	2.00
PATCHES FOR BACK	14.10

Men's sizing SM-36-38, MED-40-42, LGE-44-46, XL-48-50

Women's sizing, with Rounded Collar SM-30-32, MED-34-36, LGE-38-40, XL-42-44.

All of the above prices are based on single sales, and delivery is about three weeks. The best part though is in groups of one dozen, or more at a time we get a 10% discount! Now, should that discount go to purchasing member, or to the Club to help administer the project, is up to the members and it's Officers to decide.

The sound thinking projected at the last meeting was we shouldn't appear at Emergency situations dressed like a walking billboard plastered with patches and signs all over our persons. So,

At the mind bending suggestion by our fellow member Peter, K06R the idea of vests was looked into.

There is, in the mill, a pilot model or two of these vests being made, to be presented to the Club at a later date. These vests will be hand tailored to fit anyone wishing to go this route and several ideas of material and pattern will be presented (including checkered and plaid fronts. Could be these might do for some function or functions. Anyway, think about it and SPEAKUP at the meeting.

Your Chairman has made a good contact on the vest idea, has found an expert seamstress who works in her home and is not in a position to be money greedy. See what you started Peter?

73

KA6JGP

## Membership

Lately we have been getting checks for membership renewal but no updated membership applications. Some of you must think these are a waste of time; however, the membership application is the source of information from which the Directory is made up. So, please if you haven't sent in the application form filled in do so now. Frank Calton N6GQ

(Ed. note: The Directory is being worked on so let's get the application form in to make sure all No.'s are right.)

Thanks Ed.

### AUCTION DONATION:

Lee Herenhoehl's wife Joan donated a large assortment of parts to the Club for sale at the Auction in March.

Lee became a Silent Key in Nov. 1981. His call was KA6LCA.

## Treasurer's Report

The good news is that 55% of our membership are members of ARRL. Planned activities for the year include Field Day, Devil Mountain Certificates, and the CAL QSO Party. We can help pay for these activities by subscribing and resubscribing to ARRL membership through the Club. For each subscription the Club earns \$2.00. When you receive your notice from ARRL indicating renewal time is near make checks payable to Mt. Diablo Amateur Radio Club and mail them together with the application card to me or bring them in at the monthly meeting. The material will be promptly processed and sent in to ARRL.

Thanks 73

Nancy KA6IZI

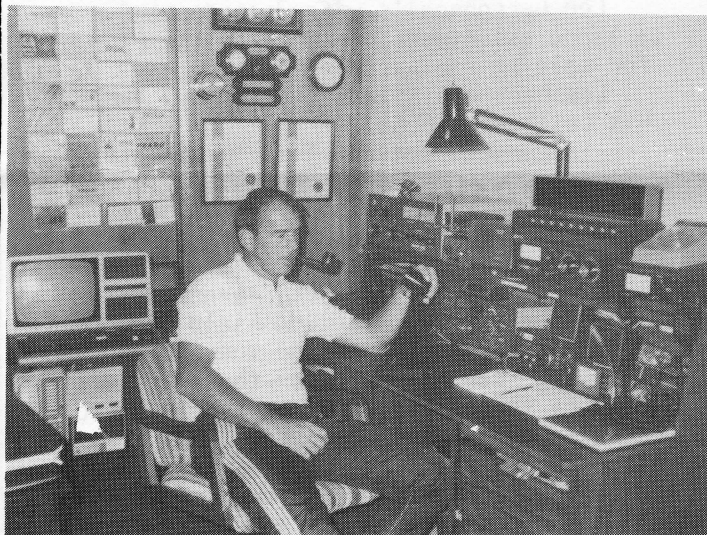
### DEADLINE ANNOUNCEMENT:

For your convenience, CARRIER article and Classified Ad deadlines through June are the following: Feb. 28, Mar. 27, Apr. 30, Jun. 25. Contributors are encouraged to submit articles well in advance so our typists fingers don't ache so at the end of the month. Extensions will be granted as time permits. Your cooperation is appreciated. (Ed.)

## THE SOUTHERN CHAPTER..... news from down south

This month's column will be short due a lack of exciting or controversial material coming to this writer's attention during the past month. I think it's time for some of our newer Southern Chapter members to send me a black and white photograph of themselves and their shack along with a short autobiography highlighting personal background as well as ham radio and other hobby or recreational interests.

Actually the Southern Chapter has been pretty quiet of late. Patty and I got together with Bob, W6TIO, and XYL Betty, WA6SMF, for an evening of folk music at a little place up in Laguna Hills. We managed to get back up to Orange County during a pause between rainstorms. I guess those of us who aren't in the Northern California area have no cause to complain about the weather. You folks in MDARC Country have sure had your share of the wet stuff.



N6ARU, Charlie, is back from his trip and has been making the 3895 net again recently. W6HDP, Bill, is now enjoying retirement but from the sound of things he's still too busy. I think he ought to take lessons from such expert retirees as W6GZC and K6IMV.

Tom, KD6VA, has been putting a much better signal down south thanks to an antenna change. Speaking of antennas, I'm so happy with my recently erected inverted "V" on 75 meters, I'm giving some thought to putting up "V's" on 40 and 160.

For those of you so inclined, WA6PVA, will probably need some muscle in putting up antennas at his new QTH in Danville. Perhaps with his move south you will hear him on the 2 meter repeater and can offer your services if they are needed.

Because we are short on copy this month I've included a photo of the new radio shack at the Coronado QTH. Besides, I haven't had an eyeball with most of you in quite awhile. Don't want you mistaking me for some sinister fellow when I do get up East Bay way.

See you next month

'73 Jerry WA6CUP

### FAMOUS MEMBERS DEPARTMENT

Have you read the article on page 54 of the January, 1982 QST entitled, "An Amateur's Guide to Assisting Public Safety Agencies," By none other than our own Southern Chapter scribe, Jerry Boyd WA6CUP?

There is a mountain of valuable information in just two pages of the magazine. RACES, ARES, and Red Cross volunteers will find it MUST reading. Of particular value are CUP's thoughts on, "Creating a Positive Image," and "Keys to Acceptance."

There's a lot of truth in every paragraph.

Fine article Jerry! Keep them coming.

Ed.

### PHOTO MEMBERSHIP DIRECTORY

Since information for the directory is not complete yet, we will be taking pictures again this month for newcomers who did not have their pictures taken last year. This will definitely be your last opportunity.

I will start taking pictures about 1/2 hour before the meeting starts, so please help by being early.

Again, for those of you who cannot have your picture taken at a meeting, please mail us a black and white photo of yourself. This picture should be about 2½X3¼ inches or thereabouts. This picture should reach us no later than 3-1-82.

Please don't hesitate to contact me if I can be of any assistance.

Mail your photos to:

Circle R. Photographers Studio

George L. Roush WB6OFH

2116 Athene Drive Concord, CA 94519

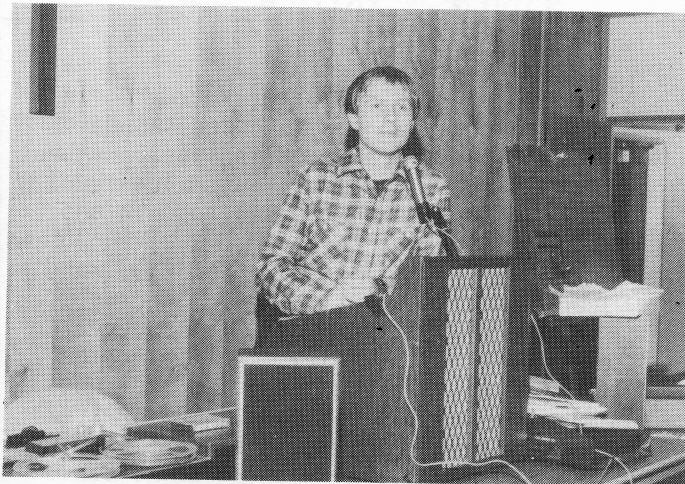
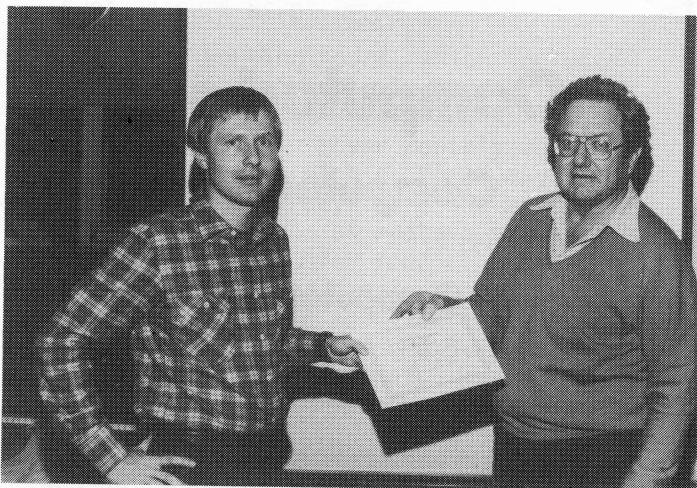
Work phone: 682-7521 Home phone: 687-0912

### 'Carrier Quotes'

Just to prove nothing ever really changes try this quote from the January 1970, CARRIER: NOTICE: Carl Cook, WA6JUD, Kim Sabott, WA6JLO, Fred Sabbot, WA6JLF, will be competing in the 23rd annual VHF Sweepstakes Contest January 10 and 11, 1970

They will be on Mt. Diablo as WA6JUD/6 and would greatly appreciate a contact with you...(Who says contesting isn't a terminal infection?!..Ed.)





Gary Caldwell WA6VEF, Super Contester accepts MDARC's Guest Speaker Certificate What a talk! One of our best programs!



W6KLM, accepts, very modestly of course the MDARC Ham of the Year Award for 1981, from WA6GON, at the Xmas Party.



(L to R) Vice-President Don Peattie WB6TEE, Secretary Dee Koester N6EJU, and President Dick Brown KT6X



Miles Slape, W6QEN, accepts the Kilroy Key Award for 1981 from the 1980 winner Wayne, W6LKE.

Photos by George Roush WB6OFH

## Repeater News

### IDENTIFICATION OF THE REPEATER:

As you can hear our repeater has developed many new strange calls lately. About one in 100 will come out W6CX. The IDer chip is of a type that likes to drop and add bits every now and then. Paul WB6DHH advises me that he is making or will make a new IDer with a better chip. In the mean time all members who use the repeater could assist by verbally identifying the machine. A Long Long Long time ago that is the only way it was done. Now we are really lazy and letting these very machines we love so much do all our work. I can remember when we had to log every two meter contact also. We all carried Mini Logs to do it. The Repeater is still working well even though its not the main machine. The storm did not do us any damage as far as we can tell. The 220 machine had the hick ups a couple of times but is now running well. More and more members are now using the two-meter repeater but should be used by all the club members who are on VHF. After all its the club machine and plays real well.

I attended the first meeting of the MDARC on January 15, 1982. Might I say that our new President and his troops did a good job and it looks like the Club will have another super year like last year. Additionally the talk on DX'ing was probably the best talk we have had in a long time. You did not even have to be interested in DX to enjoy the program. Those that did not attend missed a good program. Gary Caldwell WA6VEF showed pictures of DX stations. All I can say is some hams have all the luck\$\$\$\$\$. By the way theres a good group on the repeater at commute time in the morning. Join them. I would except I am already at work at 7:15 A.M. SEE YOU ON "TWO"

Jay D. Caldis KT6Y  
Trustee W6CX

### AMATEUR LICENSE TESTING SAN FRANCISCO FCC FIELD OFFICE(as of 1/20)

Amateur exams on Wednesdays!

Extra code test	8:30 A.M.
General code test	10:30 A.M.
Technician	12:30 P.M.
All written Exams	1:00 P.M.

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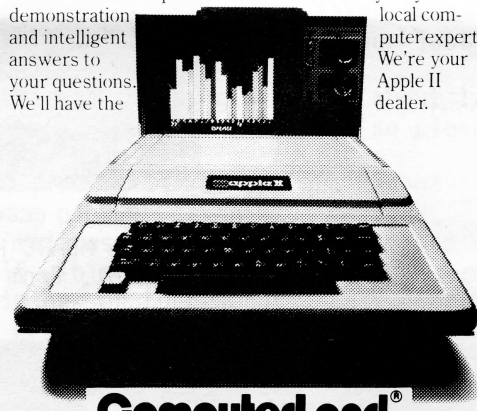
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### See Russ-KA6BPN



#### PHOTOGRAPHER NEEDS HELP:

Due to my working hours, which includes Sundays, it is impossible for me to attend public service events and emergencies. I will be able to cover monthly meetings, Christmas party, picnic, field day, and Photo Directory. So, there are many opportunities for you as members to bring your camera and cover special events. Your help would be deeply appreciated. The pictures should be in black and white, snappy, in focus, and around 3½X5 in size.

George L. Roush WB6OFH

#### CAMERA AND FLASH NEEDED FOR MDARC:

Needed: a camera and flash that could be donated to the MDARC and kept at the Emergency Coordinator's house, which could be checked out for covering special service events and emergencies. It would be helpful if the camera was a twin lens reflex, because this type of camera takes rolls of 12 prints, which is usually all that is needed to cover any one event. The flash would be helpful

for filling in shadows outdoors, and for indoor shots. A 35 mm. would be all right, but it only takes rolls of 20 or 36 exposures.

George L. Roush WB6OFH

#### MOUNT DIABLO AMATEUR RADIO CLUB FINANCIAL SUMMARY 1981

Balance on hand Jan. 1, 1981	\$1075.44
Checking	\$513.77
Saving	\$561.67

Income	
Regular	\$7016.68
Saving In.	26.16
	\$7042.84

Expenses	\$6049.43
----------	-----------

Balance on hand Dec. 31, 1981	\$2068.85
Checking	\$881.02
Saving	\$1187.83

Audited and approved Feb. 26, 1982

Wm. Parkinson K6IMV

Louis Vallis KD6KV

#### **ponder this.....**

We know a fellow who is so out of shape that he gets winded walking his fingers through the yellow pages.  
(Jan. 82 Rags Review)

### *The Editor's Space*

First, I'd like to thank the members who felt I was qualified to hold this honorable office. They were so convincing during our conversations I never heard the train coming!

Second, It will be tough filling the shoes of our rib-splitting outgoing Editor Dick Squires. Dick has volunteered to keep writing for the CARRIER so we'll still be adequately entertained. (He just wanted to make more money than the Editor by free lancing).

Third, Any MDARC member who has something to say should write it up and send it to the CARRIER. Write an article to educate, to entertain or even a letter to the Editor to make a point before the membership. Some readers have expressed an interest in returning the CARRIER to a "more folksy" style. We'll have that style easily if all you folks write! You have lots of good examples of writing styles in your ham shacks. Peruse your old CARRIERS for good ideas.

Fourth, I hope the first month of 1982 was a good month for you. I think the rest of 1982 promises to be even better.

73, Ed.

**A. W. BOYD**

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## the Mount Diablo Amateur Radio Club, Inc.

P.O. Box 23222 - Pleasant Hill, CA 94523 0222

January 29, 1982

Mr. Robert White - President  
Smorga Bob's Family Restaurants  
1020 West Capital Ave.  
West Sacramento, Ca. 95691

Dear Sir,

The Mt. Diablo Amateur Radio Club, Inc. of Walnut Creek, with a membership of nearly 300, is one of the biggest civic clubs in Diablo Valley and represents one of the largest group of skilled amateur radio operators on the West Coast. Our publication "The Carrier," where this letter will be reprinted, is distributed to over 300 people in Northern California and the Western States. Our members represent a cross section of the top skilled and professional people in the Bay Area.

On December 3, 1981, our organization signed a contract and made a deposit with your Concord, Ca. restaurant. Your contract for 189 catered dinners for December 13, 1981 was approved by the Assistant Manager, Troy Davenport. The dinners were to be served at the Pleasant Hill City's Civic Center. At 7:30 p.m., on December 13, no one from your restaurant had arrived. We called to get an explanation, and the Assistant Manager said "he forgot and that he was sorry, but there was nothing he could do." We asked if he could supply us with food, if we came to pick it up. He gave us no satisfactory response. Our only choice, at that time, was to contact the Manager of a local pizza parlor who did the best he could to meet our needs.

Many of our members, because of dietary requirements, were forced to find accommodations at other restaurants, thus missing the most important program our club has annually. Since these people had already paid in advance for their anticipated catered dinner, they were hurt financially.

I cannot properly express the anger and frustration our membership experienced that night. However, it was further punctuated by the events that followed. We were informed on December 14, by the Manager, Mr. Brandon Burroughs, that he had been out of town the night before, but had tried to contact us from Sacramento. He offered to invite our club to his restaurant at some future time for half price meals. He also said that he had fired Mr. Davenport, the individual that caused the original situation. Our Board discussed the situation and agreed to ask for his written apology. We did not feel that we wanted any part of contributing to his profitability by having even a half price meal in his restaurant. On Tuesday the 15th., we went to the restaurant to discuss the Board's decision with him, only to find that the Assistant Manager was still employed. Mr. Burroughs then told us he had been given until the end of the week to leave. You should be aware, Mr. White, that Mr. Davenport is still employed by Mr. Burroughs, as of January 25. Further, you should also know that we never received any letter of apology.

I think it goes without saying that the members of Mt. Diablo A.R.C. have no intention of eating at Mr. Burrough's establishment again. Our Board thought you should have any opportunity to hear and understand our frustrations as well as possibly provide some form of recompense, such as a donation to the club. At a minimum, a letter of apology is way overdue.

Sincerely,

R. S. Brown  
President

cc: Better Business Bureau  
Central and East Contra Costa County  
360 22nd. St.  
Oakland, Ca. 94612

Mr. Brandon Burroughs  
1847A Willow Pass Rd.  
Concord, Ca.



## HR report

"H.R. REPORT" will become "THE WESTLINK REPORT" effective with our next issue. The name change is necessitated by agreement with the former publisher Ham Radio Magazine. Other than new artwork, no other changes are contemplated for the near future.

THE UNITED STATES WILL SOON HAVE A "WOODPECKER" operating in the 5 to 35 Mhz. spectrum. Like its Russian counterpart, it also will be an over-the-horizon radar system to be located near the city of Moscow, Maine. Built by General Electric Corporation under contract to the U.S. Air Force, it will have an ERP of 1.2 megawatts. The system is in its final testing stage, with full time operation scheduled to begin sometime in 1983. What effect our woodpecker will have on amateur radio hf communications is unknown, but the military has promised to work with the amateur community to reduce its environmental impact.

Thanks W5YI, others.

Satellite telecasters are going to great lengths to try to end the pirating of their subscription services. Premier Communications Network of San Jose, California placed an advertisement in the January 14th edition of the San Jose Mercury newspaper appealing to area residents to trade in their "illegal" pirate antennas on a "legal" installation from their company for Home Box Office service. The ad contains a reprint of findings regarding the secrecy of communications provisions of Section 605 of the Communications Act, and then offers amnesty along with guaranteed service to anyone answering the ad and becoming a subscriber.

Swift reaction has come from the area's local amateurs. Writing in the January 18 issue of the Bay Area 220 Group newsletter, Pres. Jerry Lahtinen, W6TTU stated that his organization considers HBO to be the real pirates since that service utilizes publicly owned spectrum, and has called for the abolition of HBO entirely.

## Ponder This.....

People who know the least, know it so fluently.

(Jan. 82 Rags Review Syracuse, N.Y.)

## CATV RFI

You will remember the problems that amateurs in Lompoc (California) were having with interference from cable TV Channel E. The leader there to rid the amateur airwaves of cable TV use is Rich Helzer, WB6GVO, of neighboring Arroyo Grande. Rich wrote the FCC's (Washington) Cable TV Enforcement Branch demanding that the local Teleprompter outlet in Lompoc be ordered to discontinue use of cable TV Channel E - located within the amateur 2-meter band. "I feel that now is the time to set a precedent by ordering Teleprompter to cease operation on Cable Channel 'E'. In doing so, I feel that other Cable TV companies will be more cautious about operating on frequencies that interfere, and be more willing to clean up their systems", he wrote.

During December, the Lompoc City Council's Cable TV Committee met with the complainants and Teleprompter executives. Many local amateurs and viewers testified. Helzer said "Teleprompter is clearly in violation of FCC regulations." He cited the FCC code sections that applied to the situation and added, "the problem exists all over the nation." In a second appearance before the City Council Committee, Helzer cited the essence of the FCC regulations. "In no case will Teleprompter's signal interfere with licensed radio operators." Rich conceded the fact that the FCC and not the city of Lompoc had the authority to regulate Teleprompter, but declared that the city "has the right to tell Teleprompter to correct the problems." He said hams were willing to help Teleprompter resolve the problems, but that the chief requirement was for Teleprompter to "keep the signal within the cable." Teleprompter representatives said that the FCC probably would not tell them to go off the air until the leakage problems were cleared up. Instead "the FCC would probably want us to move programming from the problem channel. We can move a channel only with the approval from FCC."

More on this next month

Dits & Bits

## The Carrier Quoted

The CARRIER was quoted in January by the following fine Amateur Club publications.

- 1) LARK - Livermore Amateur Radio Club WA60DP, Ed.
- 2) The Minuteman - Minuteman Repeater Assn. WB1GVA, Ed.

Thanks to Sharon, K6QA of SBARA, Fremont CA., for her FB welcome into the "unique world of Editors". I needed that Sharon thanks. (Ed.)

## MDARC Member Spotlight

Would you like to get to know a Club member better by reading about a different one each month in the CARRIER? How about a picture of his station (or yours!) right here on these pages? Sounds good doesn't it. Well, your Editor is looking for articles by and about Club members, so write a little something about yourself or a friend and send it in. Include a black and white photograph of the station so we can get a good look at it. If you don't own a camera let me know. I'll take the picture. Let's get to know each other better in The CARRIER. By the way, you don't have to be a "big gun California kilowatt". Who will the spotlight be on in March?

## ponder this

People usually get what's coming to them unless it's being mailed.

## Carrier Classifieds

### For Sale

EICO - Resistance - Capacitance - Comparator Bridge - Model 950

EICO - Signal Tracer - Model 147-A

EICO - Signal Generator - Model 324

HEATHKIT - Model HW - 8

MICRANTA - 3 range power/modulation/SWR tester

EICO - Audio Generator - Model 377

These items belonged to Terry Ulch please call Doug Lortsher 283-2219

ANDREWS HELIAX. Coax cable, 7/8 inch \$1.50 per foot. 5/8 inch \$.75 per foot. Connectors available.

Contact Don, W6NKF 930-8628

## THE BASE STATION

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AZDEN PCS-3000 Remote 2 Meter Mobile 142.-149.9 MHz; 8 memories; 1 or 25 watt. \$319.95 cash

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MFJ 752 Deluxe Signal Enhancer \$89.95

1982 Handbook; Call Books; New ARRL RFI Book

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## The Base Station

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## T.V.I.

### IF YOU THINK YOU HAVE TVI TROUBLES:

Guglielmo Marconi needed police protection from people who threatened to kill him because they thought his radio waves were harmful. The frightened people complained that the radio signals were passing through their bodies and making it impossible for them to sleep. A wealthy woman charged that the waves made her feet itch. A German man publicly made plans to go to England and shoot Marconi, but he was turned away by British authorities.

The hostility toward the inventor came after years of being ignored. In 1894, the 20 year old electronic pioneer coaxed his crude equipment to send a signal a few feet across the room. Next year his signals spanned the length of his father's home in Bologna, Italy. When Marconi patriotically offered his invention to the Minister of Post and Telegraphs, he was snubbed.

Marconi packed up his equipment, and with his Irish mother, sailed to England. Surely, he thought, the world's greatest maritime Power could use ship-to-shore communications. British customs officials ignored his frantic efforts to explain that the radio was not a bomb. The delicate instrument was damaged by their forcing it open.

The following year a family friend helped him gain the attention of the British postal authorities and he demonstrated that he could send a signal from the General Post Office to a nearby building. The press and public showed no interest in the feat.

Marconi then constructed a bamboo tower that thrust his transmitter 90 feet into the air and sent his wireless signals nearly two miles. He had built something too big to be ignored, and the press took notice. Years later, he sadly observed, "The call of life is over."

The publicity aroused fears in a previously indifferent public about the possible harmful effects of radio waves. A flood of crank mail, some containing threats on his life, came pouring in. Guarded by police, Marconi moved his operations to Wales in 1897. Soon he was transmitting signals out 25 miles, then to 150 and in 1901 he spanned the ocean with his wireless signals.

It was more than two years after this that the public outcry diminished enough for Scotland Yard to withdraw the police

guards protecting the man who developed radio for the world.

From The Mike and Key, Cincinnati, OH  
Reprinted for SQUELCH TALE, Chicago FM Club, 12-81 Reprinted from Nuts & Volts

## miscellaneous

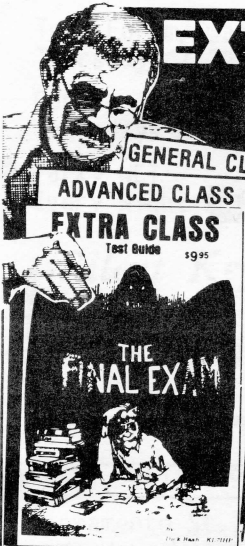
### WANTED: ELMER

Among our members are Hams who would benefit from the services of a personal tutor. I know of a few OMs and YLs who would welcome some theory tutoring with open arms. If you'd like to help a fellow Ham upgrade and receive a deep sense of personal accomplishment and a new best friend as your reward, volunteer. Contact the Education Committee or drop a card to the club's P.O. Box. You'll feel better for it. (Ed)

## Ponder this.....

The closest to perfection a person ever comes is when he fills out a job application form.

(Jan. 82 Rags Review, RAGS Syracuse N.Y.)



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